

SEQUENCE LISTING

- (1) GENERAL INFORMATION:
- (i) APPLICANT: Ni, J., ET AL.
- (ii) TITLE OF INVENTION: Human Chemotactic Cytokine I
- (iii) NUMBER OF SEQUENCES: 9
- (iv) CORRESPONDENCE ADDRESS:
- (A) ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,  
CECCHI, STEWART & OLSTEIN
- (B) STREET: 6 BECKER FARM ROAD
- (C) CITY: ROSELAND
- (D) STATE: NEW JERSEY
- (E) COUNTRY: USA
- (F) ZIP: 07068
- (v) COMPUTER READABLE FORM:
- (A) MEDIUM TYPE: 3.5 INCH DISKETTE
- (B) COMPUTER: IBM PS/2
- (C) OPERATING SYSTEM: MS-DOS
- (D) SOFTWARE: WORD PERFECT 5.1
- (vi) CURRENT APPLICATION DATA:
- (A) APPLICATION NUMBER:
- (B) FILING DATE: Concurrently
- (C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA
- (A) APPLICATION NUMBER: 60/008387
- (B) FILING DATE: December 8, 1995
- (viii) ATTORNEY/AGENT INFORMATION:
- (A) NAME: MULLINS, J.G.
- (B) REGISTRATION NUMBER: 33,073
- (C) REFERENCE/DOCKET NUMBER: 325800-506
- (ix) TELECOMMUNICATION INFORMATION:
- (A) TELEPHONE: 201-994-1700
- (B) TELEFAX: 201-994-1744
- (2) INFORMATION FOR SEQ ID NO:1:
- (i) SEQUENCE CHARACTERISTICS
- (A) LENGTH: 480 BASE PAIRS
- (B) TYPE: NUCLEIC ACID
- (C) STRANDEDNESS: SINGLE
- (D) TOPOLOGY: LINEAR
- (ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

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CACGAGCACC ACTGCTGGCT TTTTGCTGTA GCTCCACATT CCTGTGCATT GAGGGGTTAA 60
CATTAGGCTG GGAAGATGAC AAAACTTGAA GAGCATCTGG AGGGAATTGT CAATATCTTC 120
CACCAATACT CAGTTCGGAA GGGGCATTTT GACACCCTCT CTAAGGGTGA GCTGAAGCAG 180
CTGCTTACAA AGGAGCTTGC AAACACCATC AAGAATATCA AAGATAAAGC TGTCATTGAT 240
GAAATATTCC AAGGCCTGGA TGCTAATCAA GATGAACAGG TCGACTTTCA AGAATTCATA 300
TCCCTGGTAG CCATTGCGCT GAAGGCTGCC CATTACCACA CCCACAAAGA GTAGGTAGCT 360
CTCTGAAGGC TTTTACCCA GCAATGTCCT CAATGGAGGG GTCTTTTCTT TGCCTCACCA 420
AAACCCAGCT TGACCCCTGG GGGGAGTTAA GAGTTAATAA CCACACTTAC GGAAAGTTCT 480

```

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS

- (A) LENGTH: 92 AMINO ACIDS
- (B) TYPE: AMINO ACID
- (C) STRANDEDNESS:
- (D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PROTEIN

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

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Met Thr Lys Leu Glu Glu His Leu Glu Gly Ile Val Asn Ile Phe
      5                                10                        15

His Gln Tyr Ser Val Arg Lys Gly His Phe Asp Thr Leu Ser Lys
      20                                25                        30

Gly Glu Leu Lys Gln Leu Leu Thr Lys Glu Leu Ala Asn Thr Ile
      35                                40                        45

Lys Asn Ile Lys Asp Lys Ala Val Ile Asp Glu Ile Phe Gln Gly
      50                                55                        60

Leu Asp Ala Asn Gln Asp Glu Gln Val Asp Phe Gln Glu Phe Ile
      65                                70                        75

Ser Leu Val Ala Ile Ala Leu Lys Ala Ala His Tyr His Thr His
      70                                85                        90

Lys Glu

```

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS

- (A) LENGTH: 22 BASE PAIRS
- (B) TYPE: NUCLEIC ACID
- (C) STRANDEDNESS: SINGLE
- (D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

CGCGGATCCA TGACAAACT TG

22

(2) INFORMATION FOR SEQ ID NO:4:

(i) SEQUENCE CHARACTERISTICS

(A) LENGTH: 28 BASE PAIRS

(B) TYPE: NUCLEIC ACID

(C) STRANDEDNESS: SINGLE

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: Oligonucleotide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

CGCGGATCCC TACTCTTTGT GGGTGTGG

28

(2) INFORMATION FOR SEQ ID NO:5:

(i) SEQUENCE CHARACTERISTICS

(A) LENGTH: 31 BASE PAIRS

(B) TYPE: NUCLEIC ACID

(C) STRANDEDNESS: SINGLE

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: Oligonucleotide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

GCGCGGATCC ACCATGACAA AACTTGAAGA G

31

(2) INFORMATION FOR SEQ ID NO:6:

(i) SEQUENCE CHARACTERISTICS

(A) LENGTH: 55 BASE PAIRS

(B) TYPE: NUCLEIC ACID

(C) STRANDEDNESS: SINGLE

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: Oligonucleotide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

GCGCTCTAGA TCAAGCGTAG TCTGGGACGT CGTATGGGTA CTCTTTGTGG GTGTG

55

(2) INFORMATION FOR SEQ ID NO:7:

(i) SEQUENCE CHARACTERISTICS

(A) LENGTH: 29 BASE PAIRS

(B) TYPE: NUCLEIC ACID

(C) STRANDEDNESS: SINGLE  
(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: Oligonucleotide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

CGCGGATCCC ACAAACTTG AAGAGCATC

29

(2) INFORMATION FOR SEQ ID NO:8:

(i) SEQUENCE CHARACTERISTICS  
(A) LENGTH: 28 BASE PAIRS  
(B) TYPE: NUCLEIC ACID  
(C) STRANDEDNESS: SINGLE  
(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: Oligonucleotide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

CGCGGATCCC TACTCTTTGT GGGTGTGG

28

Met Thr Cys Lys Met Ser Gln Leu Glu Arg Asn Ile Glu Thr Ile  
Ile Asn Thr Phe His Gln Tyr Ser Val Lys Leu Gly His Pro Asp  
Thr Leu Asn Gln Gly Glu Phe Lys Glu Leu Val Arg Lys Asp Leu  
Gln Asn Phe Leu Lys Lys Glu Asn Lys Asn Glu Lys Val Ile Glu  
His Ile Met Glu Asp Leu Asp Thr Asn Ala Asp Lys Gln Leu Ser  
Phe Glu Glu Phe Ile Met Leu Met Ala Arg Leu Thr Trp Ala Ser  
His Glu Lys Met His Glu Gly Asp Glu Gly

SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT: Ni, Jian  
Yu, Guo-Liang  
Alfonso, Pedro  
Gentz, Reiner  
Su, Jeffrey S.

(ii) TITLE OF INVENTION: Human Chemotactic Cytokine I

(iii) NUMBER OF SEQUENCES: 9

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Human Genome Sciences, Inc.  
(B) STREET: 9410 Key West Ave  
(C) CITY: Rockville  
(D) STATE: MD  
(E) COUNTRY: USA  
(F) ZIP: 20850

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk  
(B) COMPUTER: IBM PC compatible  
(C) OPERATING SYSTEM: PC-DOS/MS-DOS  
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER:  
(B) FILING DATE:  
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/761,289  
(B) FILING DATE: 06-DEC-1996

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 06/008,378  
(B) FILING DATE: 08-DEC-1995

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Brookes, A. Anders  
(B) REGISTRATION NUMBER: 36,373  
(C) REFERENCE/DOCKET NUMBER: PF210D1

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: 301-309-8504  
(B) TELEFAX: 301-309-8439

(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 480 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(ix) FEATURE:

(A) NAME/KEY: CDS

(B) LOCATION: 76..351

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

```
CACGAGCACC ACTGCTGGCT TTTTGCTGTA GCTCCACATT CCTGTGCATT GAGGGGTAA      60
CATTAGGCTG GGAAG ATG ACA AAA CTT GAA GAG CAT CTG GAG GGA ATT GTC      111
           Met Thr Lys Leu Glu Glu His Leu Glu Gly Ile Val
                1             5             10

AAT ATC TTC CAC CAA TAC TCA GTT CGG AAG GGG CAT TTT GAC ACC CTC      159
Asn Ile Phe His Gln Tyr Ser Val Arg Lys Gly His Phe Asp Thr Leu
           15             20             25

TCT AAG GGT GAG CTG AAG CAG CTG CTT ACA AAG GAG CTT GCA AAC ACC      207
Ser Lys Gly Glu Leu Lys Gln Leu Leu Thr Lys Glu Leu Ala Asn Thr
           30             35             40

ATC AAG AAT ATC AAA GAT AAA GCT GTC ATT GAT GAA ATA TTC CAA GGC      255
Ile Lys Asn Ile Lys Asp Lys Ala Val Ile Asp Glu Ile Phe Gln Gly
           45             50             55             60

CTG GAT GCT AAT CAA GAT GAA CAG GTC GAC TTT CAA GAA TTC ATA TCC      303
Leu Asp Ala Asn Gln Asp Glu Gln Val Asp Phe Gln Glu Phe Ile Ser
                65             70             75

CTG GTA GCC ATT GCG CTG AAG GCT GCC CAT TAC CAC ACC CAC AAA GAG      351
Leu Val Ala Ile Ala Leu Lys Ala Ala His Tyr His Thr His Lys Glu
                80             85             90

TAGGTAGCTC TCTGAAGGCT TTTTACCCAG CAATGTCCTC AATGGAGGGG TCTTTTCTTT      411
GCCTCACCAA AACCCAGCTT GACCCCTGGG GGGAGTTAAG AGTTAATAAC CACACTTACG      471
GAAAGTTCT                                         480
```

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 92 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

```
Met Thr Lys Leu Glu Glu His Leu Glu Gly Ile Val Asn Ile Phe His
  1             5             10             15
```



(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

GCGCGGATCC ACCATGACAA AACTTGAAGA G

31

(2) INFORMATION FOR SEQ ID NO:6:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 55 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

GCGCTCTAGA TCAAGCGTAG TCTGGGACGT CGTATGGGTA CTCTTTGTGG GTGTG

55

(2) INFORMATION FOR SEQ ID NO:7:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 29 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

CGCGGATCCC AAAAACTTG AAGAGCATC

29

(2) INFORMATION FOR SEQ ID NO:8:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 28 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

